

Environmental Science Fundamentals

Environmental Science · Answer Key · 3 Questions

1. Which of the following greenhouse gases has the highest global warming potential (GWP) over a 100-year period, despite being less abundant than CO₂?

- A) Carbon Dioxide (CO₂)
- B) Methane (CH₄)
- C) Nitrous Oxide (N₂O)
- D) Sulfur Hexafluoride (SF₆)**

2. Pollination, water purification, and nutrient cycling are all examples of what ecological concept?

- A) Biomagnification
- B) Niche partitioning
- C) Ecosystem services**
- D) Trophic cascades

3. Ocean acidification is primarily caused by the absorption of which atmospheric gas into seawater?

- A) Methane (CH₄)
- B) Sulfur dioxide (SO₂)
- C) Carbon dioxide (CO₂)**
- D) Nitrogen oxides (NO_x)